

ALABAMA DEPARTMENT OF TRANSPORTATION  
PROCEDURE FOR EVALUATION AND MAINTENANCE OF

LIST II-4

WELDED SHEAR STUD CONNECTORS

1. **Material:** Welded shear stud connectors for bridges
2. **Specification:** Item 508.03(d)9.
3. **Jurisdiction:** Product Evaluation Board (Physical Laboratory)
4. **Job Acceptance Requirements:** No Job Control samples required. Acceptance based on inspection at the structural steel fabrication site.
5. **Project Engineer's Responsibility:** The Department's structural steel fabrication inspectors will assure that acceptable materials are furnished. They will furnish documentation to the project file by way of the Bureau of Materials and Tests. The project engineer will need only to assure that members have been inspected for damage during transit.
6. **Producer's Initial Requirements:**  
Companies wishing to have products evaluated for placement on this list should furnish the Department's Product Evaluation Engineer with the following:
  - 6.1 Name and address of the company producing the product
  - 6.2 A certified test report showing actual test results for all requirements in the standard specifications. This includes all parameters required in the current American Welding Society Structural Welding Code D1.1-80 modified according to the provisions of the AASHTO Standard Specifications for Welding of Structural Steel Highway Bridges.
7. **Producer's Maintenance Requirements:**  
Companies with products on this list will be expected to comply with the following to stay on the list:
  - 7.1 Produce the same quality of equipment as supplied for the original evaluation.
  - 7.2 Provide only approved connectors to Department projects.
  - 7.3 Promptly report to the Department any changes in company name, company address, company ownership or changes in product name or designation.
- 7.4 Notify the Department of any changes in production of the product. Any alteration that will change the product physically will require a reevaluation of the product.
8. **Laboratory Testing:** The Department will not conduct laboratory tests. Acceptance is based on the manufacturer's certified test data.
9. **Contractors' Requirements:** The contractor will be responsible for purchasing and using only approved materials.
10. **Removal of Products:** Products may be removed from this list for any of the following:
  - 10.1 Mislabeling products or substitution of products other than those originally submitted.
  - 10.2 Failure to comply with any of the Department's requirements for this type of equipment.
  - 10.3 Failure to work satisfactorily on the job.
11. **Correspondence:** All correspondence concerning this list should be directed to the following:  
Product Evaluation Board  
Alabama Department of Transportation  
3704 Fairground Road  
Montgomery, AL 36110